OIPE

RAW SEQUENCE LISTING   DATE: 06/19/2001
PATENT APPLICATION: US/09/755,017   TIME: 12:28:00

Input Set : A:\Seqlist.txt
Output Set: N:\CRF3\06192001\I755017.raw

ENTERED

```
 4 <110> APPLICANT: Walke, D. Wade
 5         Wilganowski, Nathaniel
 6         Turner, C. Alexander Jr.
 7         Friedrich, Glenn
 8         Abuin, Alejandro
 9         Zambrowicz, Brian
10         Sands, Arthur T.
12 <120> TITLE OF INVENTION: Novel Human Membrane Proteins and
13         Polynucleotides Encoding the Same
15 <130> FILE REFERENCE: LEX-0115-USA
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C--> 17 `<140>` **CURRENT APPLICATION NUMBER: US/09/755,017**
C--> 17 `<141>` **CURRENT FILING DATE: 2001-01-05**
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17 <150> PRIOR APPLICATION NUMBER: US 60/175,764
18 <151> PRIOR FILING DATE: 2000-01-12
20 <160> NUMBER OF SEQ ID NOS: 3
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 942
26 <212> TYPE: DNA
27 <213> ORGANISM: Homo Sapien
29 <400> SEQUENCE: 1
30 atgaattggg taaatgacag catcatacag gagtttattc tgctgggttt ctcagatcga      60
31 ccttggctgg agtttccact ccttgtggtc ttcttgattt cttacactgt gaccatcttt     120
32 ggcaatctga ccattattct agtgtcacgc ctggacacca aacttcatac ccccatgtat     180
33 ttttttctta ccaatctatc actcctggat ctttgttaca ccacatgtac agtcccacaa     240
34 atgctagtaa atttatgcag catcaggaaa gtaatcagtt atcgtggctg tgtagcccag     300
35 cttttcatat ttctggcctt gggggctact gaatatcttc tcctggccat catgtccttt     360
36 gataggtttg tagctatttg tcggcctctc cattactcag ttatcatgca ccagagactc     420
37 tgcctccagt tggcagccgc atcctgggtt actggtttta gtaactcagt gtggttgtct     480
38 accctgactc tccagctgcc actctgtgac ccctatgtga tagatcactt tctctgtgaa     540
39 gtccctgcac tgctcaagtt atcttgtgtt gagacaacag caaatgaggc tgaactattc     600
40 cttgtcagtg agctcttcca tctaataccc ctgacactca tccttatatc atatgctttt     660
41 attgtccgag cagtattgag gatacagtct gctgaaggtc gacaaaaagc atttgggaca     720
42 tgtggttccc atctaattgt ggtgtctctt ttttatagta cagccgtctc tgtgtacctg     780
43 caaccacctt cgcccagctc caaggaccaa ggaaagatgg tttctctctt ctatggaatc     840
44 attgcaccca tgctgaatcc ccttatatat acacttagga caaggaggt aaaggaaggc     900
45 tttaaaaggt tggttgcaag agtcttctta atcaagaaat aa                      942
47 <210> SEQ ID NO: 2
48 <211> LENGTH: 313
49 <212> TYPE: PRT
50 <213> ORGANISM: Homo Sapien
52 <400> SEQUENCE: 2
53 Met Asn Trp Val Asn Asp Ser Ile Ile Gln Glu Phe Ile Leu Leu Gly
54 1               5                   10                  15
55 Phe Ser Asp Arg Pro Trp Leu Glu Phe Pro Leu Leu Val Val Phe Leu
56             20                  25                  30
57 Ile Ser Tyr Thr Val Thr Ile Phe Gly Asn Leu Thr Ile Ile Leu Val
```

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```
58            35                    40                    45
59 Ser Arg Leu Asp Thr Lys Leu His Thr Pro Met Tyr Phe Phe Leu Thr
60      50                    55                    60
61 Asn Leu Ser Leu Leu Asp Leu Cys Tyr Thr Thr Cys Thr Val Pro Gln
62 65                    70                    75                    80
63 Met Leu Val Asn Leu Cys Ser Ile Arg Lys Val Ile Ser Tyr Arg Gly
64                    85                    90                    95
65 Cys Val Ala Gln Leu Phe Ile Phe Leu Ala Leu Gly Ala Thr Glu Tyr
66                    100                   105                   110
67 Leu Leu Leu Ala Val Met Ser Phe Asp Arg Phe Val Ala Ile Cys Arg
68            115                   120                   125
69 Pro Leu His Tyr Ser Val Ile Met His Gln Arg Leu Cys Leu Gln Leu
70      130                   135                   140
71 Ala Ala Ala Ser Trp Val Thr Gly Phe Ser Asn Ser Val Trp Leu Ser
72 145                   150                   155                   160
73 Thr Leu Thr Leu Gln Leu Pro Leu Cys Asp Pro Tyr Val Ile Asp His
74            165                   170                   175
75 Phe Leu Cys Glu Val Pro Ala Leu Leu Lys Leu Ser Cys Val Glu Thr
76            180                   185                   190
77 Thr Ala Asn Glu Ala Glu Leu Phe Leu Val Ser Glu Leu Phe His Leu
78            195                   200                   205
79 Ile Pro Leu Thr Leu Ile Leu Ile Ser Tyr Ala Phe Ile Val Arg Ala
80      210                   215                   220
81 Val Leu Arg Ile Gln Ser Ala Glu Gly Arg Gln Lys Ala Phe Gly Thr
82 225                   230                   235                   240
83 Cys Gly Ser His Leu Ile Val Val Ser Leu Phe Tyr Ser Thr Ala Val
84            245                   250                   255
85 Ser Val Tyr Leu Gln Pro Pro Ser Pro Ser Ser Lys Asp Gln Gly Lys
86            260                   265                   270
87 Met Val Ser Leu Phe Tyr Gly Ile Ile Ala Pro Met Leu Asn Pro Leu
88            275                   280                   285
89 Ile Tyr Thr Leu Arg Asn Lys Glu Val Lys Glu Gly Phe Lys Arg Leu
90      290                   295                   300
91 Val Ala Arg Val Phe Leu Ile Lys Lys
92 305                   310
94 <210> SEQ ID NO: 3
95 <211> LENGTH: 1488
96 <212> TYPE: DNA
97 <213> ORGANISM: Homo Sapien
99 <220> FEATURE:
100 <221> NAME/KEY: misc_feature
101 <222> LOCATION: (1)...(1488)
102 <223> OTHER INFORMATION: n = A,T,C or G
104 <400> SEQUENCE: 3
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W--> 105 agaaaatact ttggnaatta tgagcatttt caanctgtat atttttcatg taataaaanc   60
```
    106 aagcaatatc aatttctgta aatatcttca aaacaggtag taaaatgact ataagtaact   120
    107 gaaatagtta acaaatatgt gttaattgac ttcctgaatt tttctgtttc aggaaaccaa   180
    108 gagttgaaac attaatcatg aattgggtaa atgacagcat catacaggag tttattctgc   240
    109 tgggtttctc agatcgacct tggctggagt ttccactcct tgtggtcttc ttgatttctt   300
```

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```
110 acactgtgac catctttggc aatctgacca ttattctagt gtcacgcctg gacaccaaac   360
111 ttcataccc catgtatttt tttcttacca atctatcact cctggatctt tgttacacca   420
112 catgtacagt cccacaaatg ctagtaaatt tatgcagcat caggaaagta atcagttatc   480
113 gtggctgtgt agcccagctt ttcatatttc tggccttggg ggctactgaa tatcttctcc   540
114 tggccgtcat gtcctttgat aggtttgtag ctatttgtcg gcctctccat tactcagtta   600
115 tcatgcacca gagactctgc ctccagttgg cagccgcatc ctgggttact ggttttagta   660
116 actcagtgtg gttgtctacc ctgactctcc agctgccact ctgtgacccc tatgtgatag   720
117 atcactttct ctgtgaagtc cctgcactgc tcaagttatc ttgtgttgag acaacagcaa   780
118 atgaggctga actattcctt gtcagtgagc tcttccatct aatacccctg acactcatcc   840
119 ttatatcata tgcttttatt gtccgagcag tattgaggat acagtctgct gaaggtcgac   900
120 aaaaagcatt tgggacatgt ggttcccatc taattgtggt gtctcttttt tatagtacag   960
121 ccgtctctgt gtacctgcaa ccaccttcgc ccagctccaa ggaccaagga aagatggttt  1020
122 ctctcttcta tggaatcatt gcacccatgc tgaatcccct tatatataca cttaggaaca  1080
123 aggaggtaaa ggaaggcttt aaaaggttgg ttgcaagagt cttcttaatc aagaaataag  1140
124 aaatatgcaa atgataagct ttgctaaaga caaaatgttt acttagctta ctaacttctc  1200
125 tgtaagttgc cctatttttg ttgttactgt agagaacaat gtaaactccc tcaaataaaa  1260
126 tttccttgat gaagagctat atttacttct gttgccttaa tgttttcatt gaacaagccc  1320
127 ccagaattga ccttccaatt caccaaaaat tgtaatcaca acatcttcaa ggtttgtcaa  1380
128 acatcccatc aatgcttgta caattcaatg taaattagat ccgtagaaaa gccagaagtt  1440
129 ctttctccaa tatcacacac acacacacac acacacacac acacacac             1488
```

VERIFICATION SUMMARY   DATE: 06/19/2001
PATENT APPLICATION: US/09/755,017   TIME: 12:28:01

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L:17 M:270 C: Current Application Number differs, Replaced Current Application No
L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3